



iBRoad2EPC

Forging links within differing country contexts: iBRoad2EPC's modular approach and adaptable database of renovation advice

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NEXT GENERATION ENERGY PERFORMANCE CERTIFICATES CONFERENCE



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Contents

- Modular adaptation of the topics
- Content adaptation via database
- Interfaces to country tools

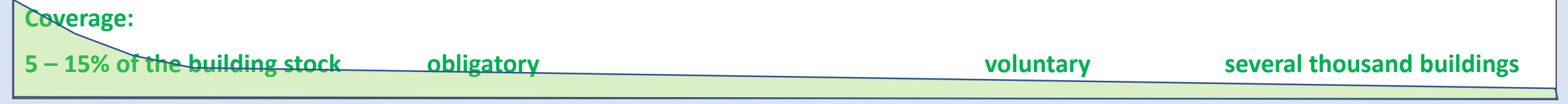
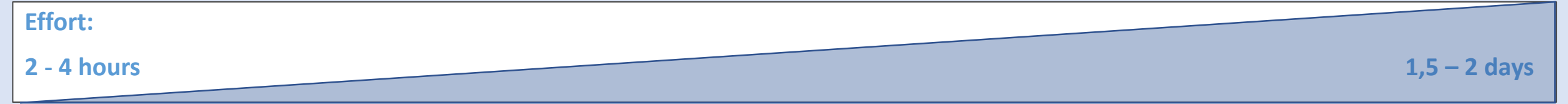




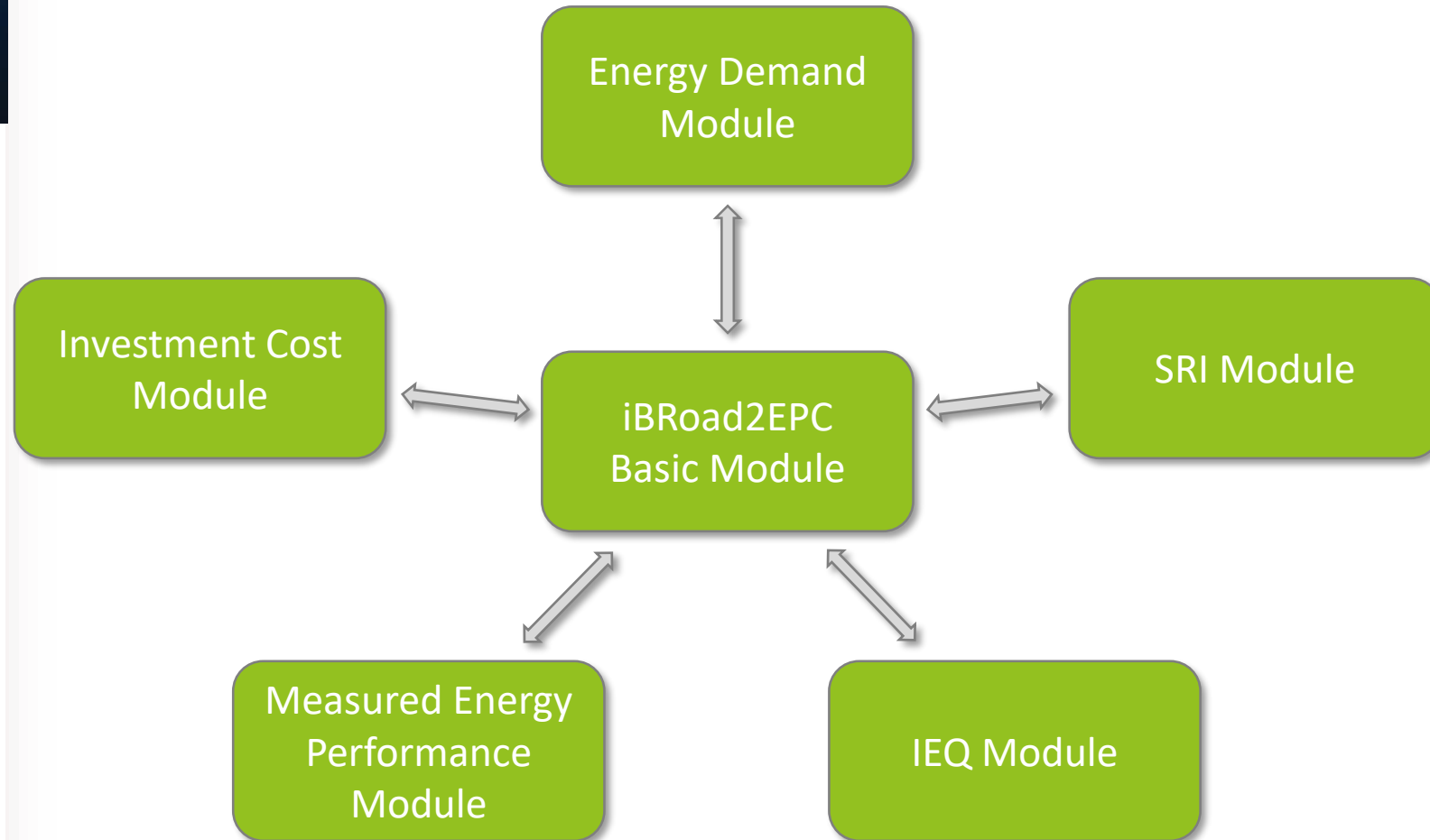
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Modules of iBRoad2EPC



- Implementing countries decide which modules fit in their ecosystem of energy consulting
- The basic module provides all core functionalities
- Additional modules can be implemented independently from each other




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iBRoad2EPC
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RENOVATION STRATEGY


Welcome to your iBRoad2EPC
The iBRoad2EPC gives you an overview of the renovation steps you can take to make your building climate-neutral by 2050 and how the individual steps build on each other in a meaningful renovation strategy.

About the iBRoad2EPC




**Now
2022** **G**

The house icon represents the current state of the building, but gives no information about its quality.




**Step 1
soon**

- External Wall insulation
- Replacement of the windows




**Step 2
2030**

- Installation of a heat pump



**Step 3
2040**

- Roof insulation
- Insulation of the cellar ceiling




**Step 4
2050** **B**

- Replacement of the door
- Installation of a ventilation system
- Installation a smart home system
- Installation of a cooling system

Imprint

Disclaimer
Your iBRoad2EPC does not substitute detailed planning.
Here you can ask for a comprehensive energy audit: www.local-energy-agency.eu

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Static text blocks
Translation to the respective language

Renovation steps
Number and timing according to countries' NBRPs

Efficiency class
Scheme and colour codes according to countries' EPCs

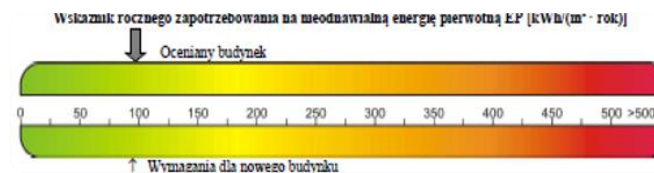
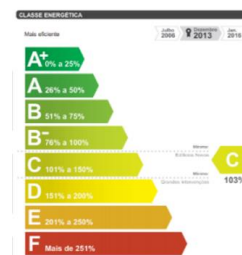
Renovation measures
Types and depth according to countries' NBRPs

iBRoad2EPC database

iBRoad2EPC database

- Number and timing of renovation steps according to legislation and NBRP
- Efficiency classes' schemes and colour codes
- Country specific renovation measures and renovation depth according to NBRPs
- Translations of static and dynamic content to the respective language

Nr	Pilot coun	Building type	Building sub type	Validity da	Year	Step	MEPS/Regulation
19	Portugal	bodies				possible	
20	Portugal	Building owned by public bodies		01.01.2030	2030	Step 2	By 1 January 2030, 50% of non-residential buildings owned by public bodies will need to have efficient heating and cooling systems such as electrical heat pumps in place
21	Portugal	Building owned by public bodies		01.01.2040	2040	Step 3	By 1 January 2040, 75% of non-residential buildings owned by public bodies will need to have efficient heating and cooling systems such as electrical heat pumps in place. All gas and diesel systems replaced by electrical systems.
22	Portugal	Building owned by public bodies		01.01.2050	2050	Step 4	By 1 January 2050, 100% of non-residential buildings owned by public bodies will need to have efficient heating and cooling systems such as electrical heat pumps in place.
1	Bulgaria	Residential buildings		01.01.2030	2030	Step 2	By 1 January 2030 all residential buildings have to comply with class E at least.
2	Bulgaria	Residential buildings		01.01.2033	2040	Step 3	By 1 January 2033 all residential buildings have to comply with class D at least.
3	Bulgaria	All building types		01.01.2050	2050	Step 4	By 1 January 2050 all buildings have to comply with nearly zero emission building standard.
4	Bulgaria	Non-residential building		01.01.2030	2030	Step 2	By 1 January 2030 all non-residential buildings have to comply with class F at least.
5	Bulgaria	Non-residential building		01.01.2033	2040	Step 3	By 1 January 2033 all non-residential buildings have to comply with class E at least.

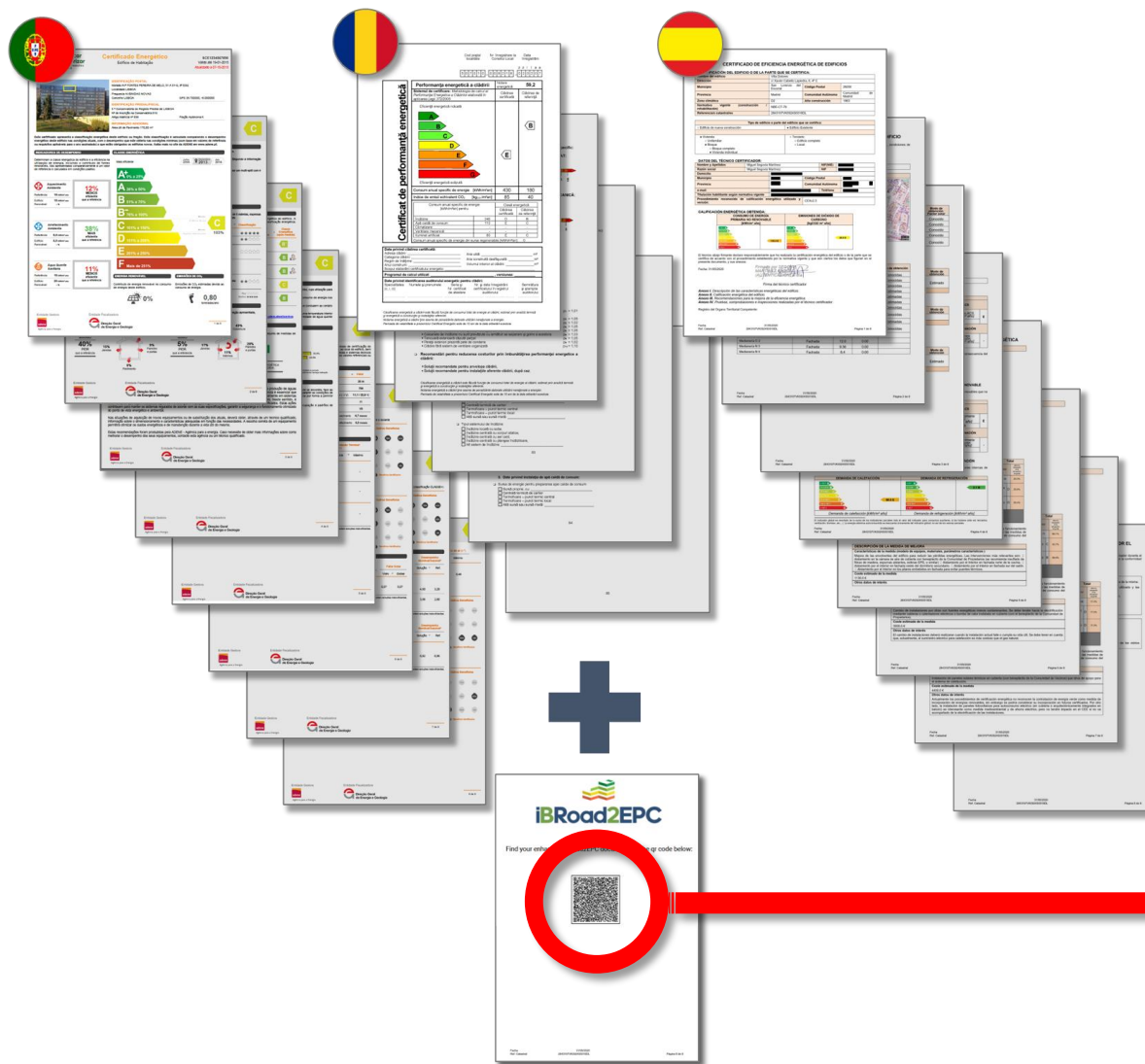




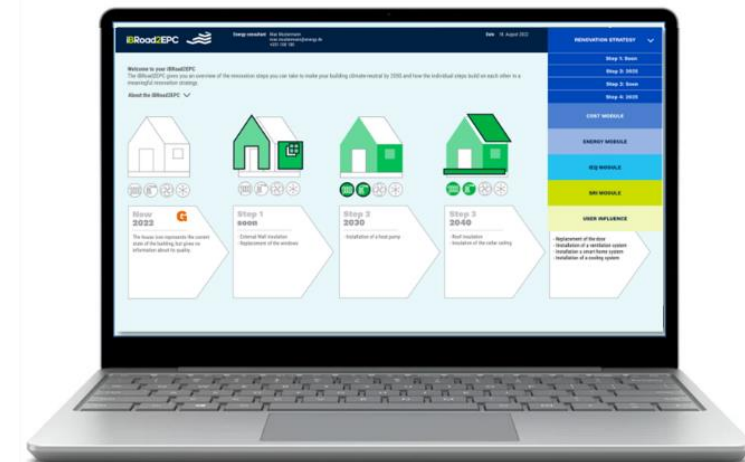
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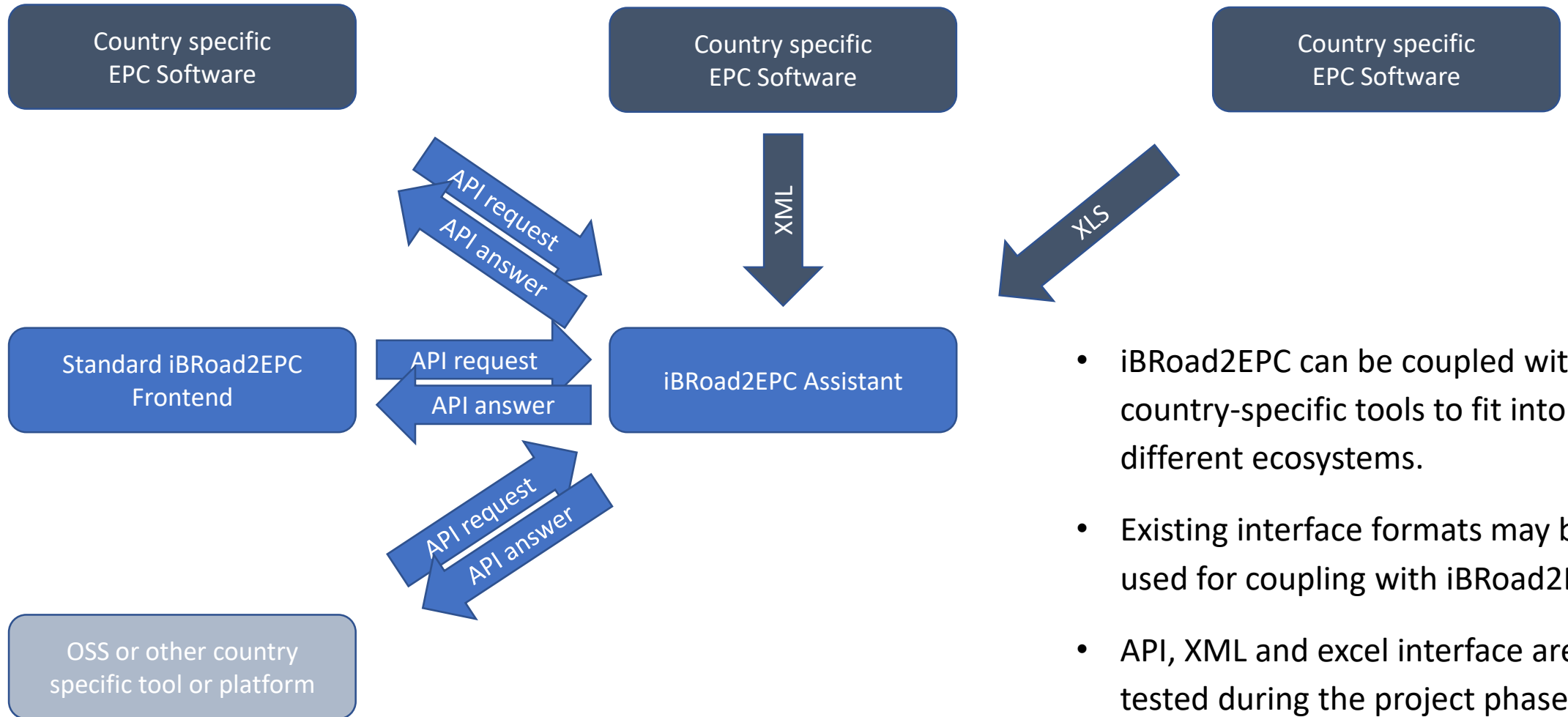
iBRoad2EPC interfaces



- iBRoad2EPC comes as an extra page to the regular EPC with an individual URL and QR-code.
- iBRoad2EPC is hosted online and thus can be adapted dynamically.



iBRoad2EPC interfaces



- iBRoad2EPC can be coupled with country-specific tools to fit into different ecosystems.
- Existing interface formats may be used for coupling with iBRoad2EPC.
- API, XML and excel interface are being tested during the project phase.

Thank you for your attention

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For more information, please
visit www.ibroad2epc.eu



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INITIALISING ENERGY BALANCE
TOWARDS 2050

